FEDERAL ITEM IDENTIFICATION GUIDE

WATER PURIFICATION EQUIPMENT

This Reprint replaces FIIG T227, dated January 5, 2007

Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
DISTILLATION UNIT, WATER, STEAM OPERATED	08388	AA

An assemblage of heat exchanger units wherein raw feed water is evaporated by steam. As the feed water is forced through the unit, evaporation and condensation follow, producing distilled water.

DISTILLATION UNIT, WATER, THERMOCOMPRESSION	08377	BA

An assembly which may be constructed as an integral unit or as sectional components for assembly at a point of use, consisting of a power unit, compressor, evaporator, condenser, heat exchangers and the necessary piping, valves, pumping and control equipment. It is designed to produce potable water from sea water or other brackish water. Excludes DISTILLATION EQUIPMENT SET, WATER, THERMOCOMPRESSION TYPE and WATER STILL (as modified).

WATER PURIFICATION PLANT	08330	CA

A fixed installation, with permanently installed machinery, apparatus and fixtures, which includes pumping equipment, chemical feed apparatus, facilities for the pretreatment, disinfection and filtration of water; complete with necessary piping, valves and control equipment. The plant, which is designed and fabricated as components for assembly at point of use, is for installation at semipermanent camps, stations and hospitals. The plant may include a power source and clear water storage facilities. See also WATER PURIFICATION UNIT (as modified).

Water Purification Unit

1. An assembly which may be constructed as an integral unit or in sections including facilities for filtration plus disinfection and/or pretreatment of raw water; complete with necessary piping, valves, and control equipment. The unit may include pump(s) and power source. See also PURIFICATION PLANT.

WATER PURIFICATION UNIT, BASE MOUNTED	08331	CA
WATER PURIFICATION UNIT (1), CARGO BODY MOUNTED	08332	CA

An item which is an integral part of a particular cargo body. It is specifically designed to fit into and become a permanent part of the cargo body.

WATER PURIFICATION UNIT (1), FRAME MOUNTED	08333	CA

Approved Item Name	INC	App Key
WATER PURIFICATION UNIT, LABORATORY	68015	CA

An item used to produce water from tap at a constant flow. This item may be used as feed-water for laboratory humidifiers, glass cleaning machines, washing machines, autoclaves and the like.

WATER PURIFICATION UNIT (1), SKID MOUNTED	08334	CA
WATER PURIFICATION UNIT (1), TRAILER MOUNTED	08335	CA
WATER PURIFICATION UNIT (1), TRUCK MOUNTED	08336	CA
WATER PURIFICATION UNIT (1), UNMOUNTED	08337	CA
WATER PURIFICATION UNIT (1), VAN TYPE BODY MOUNTED	08338	CA

An item which is an integral part of a particular van type body. It is specifically designed to fit into and become a permanent part of the van type body.

APPLICABILITY KEY INDEX

	AA
NAME	X
APZM	X
AQAA	X
AQAB	X
AQAC	X
AQAD	X
AQAE	X
AQAF	X
ABHP	X
ABMK	X
ABKW	X
AQAJ	X
AQAK	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
ZZZV	AR
AGAV	AR
CXCY	AR

	BA
NAME	X
APZM	X
AAXX	AR
AQAG	X
AQAH	X
AQAL	X
AQCX	X
AKDJ	X
AHZX	X
AEQC	X
AQCY	AR
NMBR	X
ELEC	AR
ABJL	AR
ABAM	AR
AQCZ	X
APQB	AR
AQDA	X
AKYN	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
ZZZV	AR
AGAV	AR
CXCY	AR

	CA
NAME	X
APZM	X
AKDJ	AR
ACDC	AR
ELEC	AR
FREQ	AR
FAAZ	AR
AHZZ	AR
CRFK	AR
AHZX	AR
AQDB	X
AQDC	AR
AQDD	AR
AQDE	AR
AQDF	AR
NMBR	AR
AQDH	AR
AQDJ	AR
AQDM	AR
AQDP	AR
AQGA	AR
AQGB	AR
AQGC	AR
AEYC	X
ALTR	X
ADNF	X
TMQY	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
ZZZV	AR
AGAV	AR
CXCY	AR

[Page Break]

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED08388*)

ALL			
	APZM	J	POTABLE WATER CAPACITY

Definition: THE AMOUNT OF PURIFIED WATER THE ITEM IS CAPABLE OF PRODUCING FOR A GIVEN PERIOD OF TIME.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APZMJGD200.0*; APZMJLD757.0*)

Table 1

REPLY CODE	REPLY (AB10)
G	GALLONS
L	LITERS

Table 2

REPLY CODE	REPLY (AC11)
G	PER DAY
D	PER HOUR
E	PER MINUTE

ALL			
	AQAA	A	EFFECT QUANTITY

Definition: THE NUMBER OF EFFECTS CONTAINED WITHIN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AQAAA1*)

APP Key	MRC	Mode Code	Requirements

ALL

AQAB A SHELL QUANTITY

Definition: THE NUMBER OF SHELLS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AQABA1*)

ALL

AQAC D EVAPORATION SURFACE TYPE

Definition: INDICATES THE TYPE OF SURFACE WHERE THE EVAPORATION PROCESS TAKES PLACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQACDAB*)

REPLY CODE	REPLY (AK92)
AB	FLASH
AC	SUBMERGED TUBE
AD	TUBELESS CORRUGATED

ALL

AQAD D EVAPORATION SURFACE SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE EVAPORATION SURFACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQADDFQ*)

REPLY CODE	REPLY (AD07)
FQ	COIL
BK	STRAIGHT
FT	TUBELESS CORRUGATED
FW	U-TUBE

ALL

AQAE B FIRST EFFECT OPERATING STEAM PRESSURE IN PSI

APP Key	MRC	Mode Code	Requirements

Definition: THE REQUIRED OPERATING STEAM PRESSURE OF THE FIRST EFFECT, EXPRESSED IN POUNDS PER SQUARE INCH.

Reply Instructions: Enter the numeric value. (e.g., AQAEB5.0*)

ALL

AQAF B AIR EJECTOR OPERATING STEAM PRESSURE IN PSI

Definition: THE REQUIRED OPERATING STEAM PRESSURE OF THE AIR EJECTOR, EXPRESSED IN POUNDS PER SQUARE INCH.

Reply Instructions: Enter the numeric value. (e.g., AQAFB125.0*)

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJFA20.000*; ABHPJFB19.500$$JFC20.500*; ABHPJMA6.096*)

See Appendix C, Table 1 for conversion of inches to decimal part of a foot. (i.e., 9 feet 7-3/4 inches will be entered as 9.646 feet)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABMK J OVERALL WIDTH

APP Key	MRC	Mode Code	Requirements

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJFA9.500*; ABMKJFB9.250$$JFC9.750*; ABMKJMA3.643*)

See Appendix C, Table 1 for conversion of inches to decimal part of a foot. (i.e., 9 feet 7-3/4 inches will be entered as 9.646 feet)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJFA5.000*; ABKWJFB4.750$$JFC5.250*; ABKWJMA1.524*)

See Appendix C , Table 1 for conversion of inches to decimal part of a foot. (i.e., 9 feet 7-3/4 inches will be entered as 9.646 feet)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL

AQAJ J TUBE REMOVAL MINIMUM DISTANCE

Definition: THE MINIMUM SPACE OR DISTANCE FROM ONE ITEM TO ANOTHER ITEM REQUIRED TO FACILITATE REMOVAL OF THE TUBE(S).

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AQAJJF3.250*; AQAJJM0.991*)

See Appendix C , Table 1 for conversion of inches to decimal part of a foot. (i.e., 9 feet 7-3/4 inches will be entered as 9.646 feet)

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

ALL

AQAK D TUBE REMOVAL LOCATION

Definition: INDICATES THE LOCATION FROM WHICH THE TUBE(S) IS REMOVED FROM THE UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQAKDAAZ*)

REPLY CODE	REPLY (AJ91)
AAZ	BACK
ABC	FRONT
ACZ	SIDE

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED08377*)

ALL			
	APZM	J	POTABLE WATER CAPACITY

Definition: THE AMOUNT OF PURIFIED WATER THE ITEM IS CAPABLE OF PRODUCING FOR A GIVEN PERIOD OF TIME.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APZMJGD100.0*; APZMJLD378.5*)

Table 1

REPLY CODE	REPLY (AB10)
G	GALLONS
L	LITERS

Table 2

REPLY CODE	REPLY (AC20)
G	PER DAY
D	PER HOUR
E	PER MINUTE

ALL*			
	AAXX	D	MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDAT*)

REPLY CODE	REPLY (AA78)
CF	PALLET

APP Key	MRC	Mode Code	Requirements
		AT	SKID
		AV	TRAILER
		CG	TRUCK

ALL

AQAG A VAPOR COMPRESSOR QUANTITY

Definition: THE NUMBER OF VAPOR COMPRESSORS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AQAGA4*)

ALL

AQAH D VAPOR COMPRESSOR TYPE

Definition: INDICATES THE TYPE OF VAPOR COMPRESSOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQAHDF*)

REPLY CODE	REPLY (AA80)
A	AXIAL FLOW
D	CENTRIFUGAL
E	RECIPROCATING
F	ROTARY

ALL

AQAL B VAPOR COMPRESSOR CAPACITY IN CUBIC FEET PER MINUTE

Definition: THE RATED CAPACITY OF THE VAPOR COMPRESSOR, EXPRESSED IN CUBIC FEET PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., AQALB336.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AQALKN*)

ALL

AQCX B VAPOR COMPRESSOR RPM

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF REVOLUTIONS PER MINUTE FOR WHICH THE VAPOR COMPRESSOR IS RATED.

Reply Instructions: Enter the numeric value. (e.g., AQCXB1800.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AQCXKN*)

ALL

AKDJ D PRIME MOVER TYPE

Definition: INDICATES THE TYPE OF PRIME MOVER INCLUDED WITH THE UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKDJDAD*)

REPLY CODE	REPLY (AG27)
AC	DIESEL ENGINE
AD	ELECTRIC MOTOR
AE	GASOLINE ENGINE

ALL

AHZX B PRIME MOVER HORSEPOWER RATING

Definition: THE RATED HORSEPOWER OF THE PRIME MOVER.

Reply Instructions: Enter the numeric value. (e.g., AHZXB5.0*)

ALL

AEQC B OPERATING SPEED AT RATED CAPACITY IN RPM

Definition: THE SPEED OF THE DRIVE SHAFT REQUIRED TO PRODUCE THE RATED CAPACITY OF AN ITEM, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., AEQCB1745.0*)

ALL*

APP Key	MRC	Mode Code	Requirements
	AQCY	D	STARTING HEATER TYPE

Definition: INDICATES THE TYPE OF STARTING HEATER PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQCYDQ*)

REPLY CODE	REPLY (AA93)
Z	ANY ACCEPTABLE
Q	ELECTRIC
R	STEAM GENERATOR

ALL

NMBR	A	QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2*)

NOTE FOR MRCS ELEC AND ABJL: IF REPLY CODE Q IS ENTERED FOR MRC AQCY, REPLY TO MRCS ELEC AND ABJL.

ALL* (See Note Above)

ELEC	B	VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB220.0*)

ALL* (See Note Preceding MRC ELEC)

ABJL	B	WATTAGE RATING IN WATTS

Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.

Reply Instructions: Enter the numeric value. (e.g., ABJLB2000.0*)

ALL*

ABAM	D	HEAT MEDIUM TYPE

APP
Key MRC Mode Code Requirements

Definition: INDICATES THE HEAT MEDIUM TYPE FOR WHICH THE UNIT IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABAMDF*)

REPLY CODE	REPLY (AA94)
F	GAS
H	OIL

ALL

AQCZ D EVAPORATOR DESIGN

Definition: THE DESIGN OF THE EVAPORATOR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQCZDAB*)

REPLY CODE	REPLY (AK94)
A	ANY ACCEPTABLE
AB	COMBINED WITH CONDENSER
AC	SEPARATE

NOTE FOR MRC APQB: IF REPLY CODE AB IS ENTERED FOR MRC AQCZ, REPLY TO MRC APQB.

ALL* (See Note Above)

APQB D UNIT TYPE

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APQBDAAD*; APQBDAAD$$DAAE*)

REPLY CODE	REPLY (AK95)
AAD	TUBE
AAE	VERTICAL SHELL

ALL

APP Key	MRC	Mode Code	Requirements
	AQDA	D	BRINE STABILIZER

Definition: AN INDICATION OF WHETHER OR NOT A BRINE STABILIZER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQDADB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

	AKYN	G	FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. (e.g., AKYNG1 TUBE CLEANING SET*)

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: AN NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED08331*)

ALL			
	APZM	J	POTABLE WATER CAPACITY

Definition: THE AMOUNT OF PURIFIED WATER THE ITEM IS CAPABLE OF PRODUCING FOR A GIVEN PERIOD OF TIME.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APZMJGD100.0*; APZMJLD378.5*)

Table 1

REPLY CODE	REPLY (AB10)
G	GALLONS
L	LITERS

Table 2

REPLY CODE	REPLY (AC11)
G	PER DAY
D	PER HOUR
E	PER MINUTE

ALL*			
	AKDJ	D	PRIME MOVER TYPE

Definition: INDICATES THE TYPE OF PRIME MOVER INCLUDED WITH THE UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKDJDAD*)

REPLY CODE	REPLY (AG27)
AC	DIESEL ENGINE

APP Key	MRC	Mode Code	Requirements
		AD	ELECTRIC MOTOR
		AE	GASOLINE ENGINE

NOTE FOR MRCS ACDC, AHZZ, AND CRFK: IF REPLY CODE AD IS ENTERED FOR MRC AKDJ, REPLY TO MRCS ACDC, AHZZ AS APPLICABLE, AND CRFK.

ALL* (See Note Above)

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*)

REPLY CODE	REPLY (AB62)	Reply to these associated MRC(s)
B	AC	ELEC, FREQ, FAAZ
D	AC/DC	ELEC, FREQ, FAAZ
C	DC	ELEC

ALL*

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB120.0*)

If multiple voltages are specified for the same current type, use AND/OR ($$/$) Coding entering values in ascending sequence. If multiple voltages represent AC and DC currents, enter AC voltages first, regardless of value. (e.g.,

ELECB110.0;*

ELECB110.0$$B220.0;*

ELECB12.0$B24.0)*

ALL*

FREQ B FREQUENCY IN HERTZ

APP Key	MRC	Mode Code	Requirements

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB60.0*)

If multiple frequencies are specified, use AND/OR ($$/$) Coding and enter a reply for each AC voltage in the same sequence as MRC ELEC. (e.g., FREQB60.0;*

FREQB400.0$$B600.0;*

FREQB400.0$B450.0)*

ALL*

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDC*)

If more than one phase is applicable, use AND/OR ($$/$) Coding and enter a reply for each AC voltage in the same sequence as MRC ELEC. (e.g.,

FAAZDA$$DC;*

FAAZDA$DC)*

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL* (See Note Preceding MRC ACDC)

AHZZ D MOTOR ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT THE MOTOR IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the Reply Code from the table below. (e.g., AHZZDAJ*)

REPLY CODE	REPLY (AA65)
AJ	MILDEW RESISTANT

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ACDC)

CRFK D ELECTROMAGNETIC INTERFERENCE SUPPRESSION

Definition: AN INDICATION OF WHETHER OR NOT PROVISIONS TO SUPPRESS ELECTROMAGNETIC INTERFERENCE (EMI) ARE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CRFKDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL*

AHZX B PRIME MOVER HORSEPOWER RATING

Definition: THE RATED HORSEPOWER OF THE PRIME MOVER.

Reply Instructions: Enter the numeric value. (e.g., AHZXB2.500*)

ALL

AQDB D DISINFECTION UNIT TYPE

Definition: INDICATES THE TYPE OF DISINFECTION UNIT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQDBDAB*)

REPLY CODE	REPLY (AK96)
AB	CHLORINATOR
AC	HYPOCHLORINATOR

ALL*

AQDC A DISINFECTION UNIT QUANTITY

Definition: THE NUMBER OF DISINFECTION UNITS PROVIDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the quantity. (e.g., AQDCA2*)

ALL*

AQDD D FEED TYPE

Definition: INDICATES THE TYPE OF FEED PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQDDDAB*)

REPLY CODE	REPLY (AK97)
AB	DIRECT
AC	SOLUTION

ALL*

AQDE D FEED CONTROL TYPE

Definition: INDICATES THE TYPE OF FEED CONTROL PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQDEDAAB*)

REPLY CODE	REPLY (AK03)
AAB	AUTOMATIC
AAP	MANUAL
ABB	SEMI-AUTOMATIC

ALL*

AQDF J MAXIMUM FEED RATE

Definition: THE MAXIMUM AMOUNT THE ITEM WILL FEED IN A GIVEN PERIOD OF TIME.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQDFJGD2.0*)

Table 1

REPLY CODE	REPLY (AB10)
G	GALLONS
L	LITERS
P	POUNDS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC11)
D	PER HOUR
F	PER 24 HOURS

ALL*

NMBR A QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OR MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2*)

ALL*

AQDH D PRETREATMENT EQUIPMENT TYPE

Definition: INDICATES THE TYPE OF PRETREATMENT EQUIPMENT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. Enter the multiple replies using AND/OR ($$/$) Coding. (e.g., AQDHDAB;*

AQDHDAB$$DAC

AQDHDAB$DAC)*

REPLY CODE	REPLY (AK98)
AC	CHEMICAL FEEDER
AB	SOLIDS CONTACT CLARIFIER

NOTE FOR MRCS AQDJ, AQDM, AQDP, AQGA, AQGB, AND AQGC: IF REPLY CODE AB IS ENTERED FOR MRC AQDH, REPLY TO MRCS AQDJ, AQDM, AQDP, AQGA, AND AQGB. IF REPLY CODE AC IS ENTERED FOR MRC AQDH, REPLY TO MRC AQGC ONLY.

ALL* (See Note Above)

AQDJ D SOLID CONTACT CLARIFIER TYPE

Definition: INDICATES THE TYPE OF SOLID CONTACT CLARIFIER.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQDJDAB*)

REPLY CODE	REPLY (AK99)
AB	SLURRY BLANKET
AC	SLURRY RECIRCULATION

ALL* (See Note Preceding MRC AQDJ)

AQDM B SLURRY SEPARATION AREA IN SQUARE FEET

Definition: THE EFFECTIVE AREA THAT THE SLURRY WILL SEPARATE TURBIDITY WITHIN THE UNIT, EXPRESSED IN SQUARE FEET.

Reply Instructions: Enter the numeric value. (e.g., AQDMB25.000*)

ALL* (See Note Preceding MRC AQDJ)

AQDP B TOTAL VOLUME IN GALLONS

Definition: THE TOTAL VOLUME OF FLUID THAT THE UNIT IS DESIGNED TO ACCOMMODATE, EXPRESSED IN GALLONS.

Reply Instructions: Enter the numeric value. (e.g., AQDPB646.0*)

ALL* (See Note Preceding MRC AQDJ)

AQGA G MANUFACTURER NAME

Definition: THE NAME OF THE MANUFACTURER.

Reply Instructions: Enter the manufacturer's name. (e.g., AQGAGFOLCUM PUMP CO*)

ALL* (See Note Preceding MRC AQDJ)

AQGB A MANUFACTURER IDENTIFYING NUMBER

Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE ITEM.

Reply Instructions: Enter the identifying number. (e.g., AQGBADWG NO. D0000*)

ALL* (See Note Preceding MRC AQDJ)

APP Key	MRC	Mode Code	Requirements
	AQGC	J	CHEMICAL FEEDER TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF THE CHEMICAL FEEDERS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., AQGCJAB2*)

For multiple replies, use AND/OR ($$/$) Coding. (e.g.,

*AQGCJAB$$JAD2**

AQGCJAB$JAC2)*

REPLY CODE	REPLY (AL16)
AB	DRY
AC	SLURRY
AD	SOLUTION

ALL

	AEYC	A	FILTER QUANTITY

Definition: THE NUMBER OF FILTERS INCLUDED WITH THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AEYCA2*)

ALL

	ALTR	D	FILTER TYPE

Definition: INDICATES THE TYPE OF FILTER USED WITH ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALTRDAD*)

REPLY CODE	REPLY (AH81)
AD	GRAVITY
AE	PRESSURE

ALL

	ADNF	D	FILTERING MATERIAL

APP Key	MRC	Mode Code	Requirements

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE FILTERING MATERIAL IS COMPOSED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADNFDEAA000*; ADNFDSMA000$DQZB000*; ADNFDCC0000$$DPCAF00*)

REPLY CODE	REPLY (AD09)
CC0000	COTTON
EAA000	EARTH, DIATOMACEOUS
SMA000	GRAVEL
PCAF00	PLASTIC, POLYPROPYLENE
QZB000	QUARTZ SAND

ALL*

TMQY J FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the applicable Reply Code from Appendex A, Table 2, followed by the quantity. (e.g., TMQYJBNE1*; TMQYJBCK1$$JADN3*).

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL

SUPP	G	SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

ZZZV	G	FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGBEARINGS, ANTIFRICTION, UNMOUNTED*)

ALL

AGAV	G	END ITEM IDENTIFICATION

APP Key	MRC	Mode Code	Requirements

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END ITEM EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the applicable reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL

CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

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Reply Tables

Table 1 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY

REPLY CODE	REPLY (AD08)
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 2 - FURNISHED ITEMS AND QUANTITY

FURNISHED ITEMS AND QUANTITY

REPLY CODE	REPLY (AB28)
AVT	BLIND FLANGE
AUL	CABLE ASSEMBLY
AVU	CHEMICAL POT
AVV	FIRE EXTINGUISHER
BNE	FLANGE
ACM	FLOAT
BFN	FLOAT CONTROL ASSEMBLY
BFP	FLOAT ROD
AZE	GROUND ROD
BCK	HOSE
ADN	HOSE CLAMP
AER	HOSE COUPLING
AVW	HYDRAULIC JACK
AVX	MANIFOLD ASSEMBLY
BAD	MOUNTING HARDWARE
BAE	MOUNTING KIT
AVY	PADDLE
AVZ	PIPE CAP
BSC	PRESSURE GAGE
AWB	PUMP
AWU	WATER BUBBLER

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

INCH TO DECIMAL OF A FOOT CONVERSION CHART

NOTE: For inches, select inches 0 through 11 from left to right top of chart, read decimal equivalent in column directly below.

Fraction of inch	INCHES											
	0	1	2	3	4	5	6	7	8	9	10	11
0	0.000	0.083	0.167	0.250	0.333	0.417	0.500	0.583	0.667	0.750	0.833	0.917
1/16	.005	.089	.172	.255	.339	.422	.505	.589	.672	.755	.839	.922
1/8	.010	.094	.177	.260	.344	.427	.510	.594	.677	.760	.844	.927
3/16	.016	.099	.182	.266	.349	.432	.516	.599	.682	.766	.849	.932
1/4	.021	.104	.188	.271	.354	.438	.521	.604	.688	.771	.854	.938
5/16	.026	.109	.193	.276	.359	.443	.526	.609	.693	.776	.859	.943
3/8	.031	.115	.198	.281	.365	.448	.531	.615	.698	.781	.865	.948
7/16	.037	.120	.203	.287	.370	.453	.537	.620	.703	.787	.870	.953
1/2	.042	.125	.208	.292	.375	.458	.542	.625	.708	.792	.875	.958
9/16	.047	.130	.214	.297	.380	.464	.547	.630	.714	.797	.880	.964
5/8	.052	.135	.219	.302	.385	.469	.552	.635	.719	.802	.885	.969
11/16	.057	.141	.224	.307	.391	.474	.557	.641	.724	.807	.891	.974
3/4	.063	.146	.229	.313	.396	.479	.563	.646	.729	.813	.896	.979
13/16	.068	.151	.234	.318	.401	.484	.568	.651	.734	.818	.901	.984
7/8	.073	.156	.240	.323	.406	.490	.573	.656	.740	.823	.906	.990
15/16	.078	.162	.245	.328	.412	.495	.578	.662	.745	.828	.912	.995

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FIIG Change List

FIIG Change List, Effective June 4, 2010

This change replaced with ISAC or and/or coding.